

GenCore version 5.1.6  
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OM protein - protein search, using SW model

Run on: August 12, 2005, 22:35:51 ; Search time 158 Seconds

(without alignments)

675.303 Million cell updates/sec

Perfect score: 1505 1 MRGSQEVLLMVLVAGGT.....SQQSFLBQLGSSCKRDS 273

Scoring table: BLOSUM62 Gappen 10.0 , Gapext 0.5

Searched: 1755636 seqs, 390834859 residues

Total number of hits satisfying chosen parameters: 1755696

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 1500 summaries

Database : Published Applications AA:\*

- 1: /cgns2\_6/ptodata/2/pubpaas/us07\_pubcomb.pep:\*
- 2: /cgns2\_6/ptodata/2/pubpaas/us08\_pub.pep:\*
- 3: /cgns2\_6/ptodata/2/pubpaas/us06\_new\_pub.pep:\*
- 4: /cgns2\_6/ptodata/2/pubpaas/us06\_pubcomb.pep:\*
- 5: /cgns2\_6/ptodata/2/pubpaas/pctus07\_new\_pub.pep:\*
- 6: /cgns2\_6/ptodata/2/pubpaas/pubcomb\_pub.pep:\*
- 7: /cgns2\_6/ptodata/2/pubpaas/us08\_new\_pub.pep:\*
- 8: /cgns2\_6/ptodata/2/pubpaas/us08\_pubcomb.pep:\*
- 9: /cgns2\_6/ptodata/2/pubpaas/us09\_pubcomb.pep:\*
- 10: /cgns2\_6/ptodata/2/pubpaas/us09\_pubcomb\_pep:\*
- 11: /cgns2\_6/ptodata/2/pubpaas/us09c\_pubcomb.pep:\*
- 12: /cgns2\_6/ptodata/2/pubpaas/us09\_new\_pub.pep:\*
- 13: /cgns2\_6/ptodata/2/pubpaas/us10\_pubcomb\_pep:\*
- 14: /cgns2\_6/ptodata/2/pubpaas/us10\_pubcomb\_pep:\*
- 15: /cgns2\_6/ptodata/2/pubpaas/us10c\_pubcomb\_pep:\*
- 16: /cgns2\_6/ptodata/2/pubpaas/us10d\_pubcomb\_pep:\*
- 17: /cgns2\_6/ptodata/2/pubpaas/us10\_pubcomb.pep:\*
- 18: /cgns2\_6/ptodata/2/pubpaas/us10\_new\_pub.pep:\*
- 19: /cgns2\_6/ptodata/2/pubpaas/us11\_pubcomb\_pep:\*
- 20: /cgns2\_6/ptodata/2/pubpaas/us11c\_new\_pub.pep:\*
- 21: /cgns2\_6/ptodata/2/pubpaas/us60\_new\_pub.pep:\*
- 22: /cgns2\_6/ptodata/2/pubpaas/us60\_pubcomb\_pep:\*

Prd. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	1505	100.0	273 9 US-09-790-264-10	Sequence 10, App
75	1505	100.0	273 14 US-10-167-749-506	Sequence 50, App
76	1505	100.0	273 14 US-10-167-749-508	Sequence 50, App
125	1505	100.0	273 14 US-10-219-065-178	Sequence 178, App
151	1505	100.0	273 14 US-10-269-353-10	Sequence 10, App
241	1505	100.0	273 15 US-10-170-481A-506	Sequence 50, App
242	1505	100.0	273 15 US-10-170-481A-508	Sequence 50, App
245	1505	100.0	273 15 US-10-210-028-506	Sequence 50, App
246	1505	100.0	273 15 US-10-210-028-508	Sequence 50, App
255	1505	100.0	273 15 US-10-162-521A-506	Sequence 50, App
256	1505	100.0	273 15 US-10-162-521A-508	Sequence 50, App
281	1505	100.0	273 15 US-10-287-971-102	Sequence 102, App

286	1505	100.0	273 17 US-10-918-851-506	Sequence 506, App
287	1505	100.0	273 17 US-10-918-851-508	Sequence 508, App
288	1505	100.0	273 17 US-10-900-226-10	Sequence 10, App
289	1505	100.0	273 17 US-10-805-667-5056	Sequence 506, App
290	1505	100.0	273 17 US-10-805-667-5058	Sequence 508, App
291	1505	100.0	273 17 US-10-897-359-5058	Sequence 506, App
292	1505	100.0	273 17 US-10-897-359-5058	Sequence 508, App
293	1505	100.0	273 17 US-10-893-802-5056	Sequence 506, App
294	1505	100.0	273 17 US-10-893-802-5058	Sequence 508, App
295	1505	100.0	273 17 US-10-897-360-5056	Sequence 506, App
296	1505	100.0	273 17 US-10-897-360-5058	Sequence 508, App
321	1504	99.9	273 10 US-09-852-772-2	Sequence 2, App
332	1504	99.9	273 14 US-10-167-749-510	Sequence 510, App
368	1504	99.9	273 15 US-10-170-481A-510	Sequence 510, App
370	1504	99.9	273 15 US-10-210-028-510	Sequence 510, App
375	1504	99.9	273 15 US-10-162-521A-510	Sequence 510, App
386	1504	99.9	273 15 US-10-287-971-84	Sequence 84, App
387	1504	99.9	273 15 US-10-287-971-100	Sequence 100, App
388	1504	99.9	280 16 US-10-408-765A-900	Sequence 900, App
390	1504	99.9	273 17 US-10-918-851-510	Sequence 510, App
391	1504	99.9	273 17 US-10-805-667-510	Sequence 510, App
392	1504	99.9	273 15 US-10-897-359-510	Sequence 510, App
393	1504	99.9	273 17 US-10-893-802-510	Sequence 510, App
394	1504	99.9	273 17 US-10-897-360-510	Sequence 510, App
395	1504	99.9	280 15 US-10-287-971-98	Sequence 88, App
396	1504	99.9	280 15 US-10-287-971-92	Sequence 92, App
397	1504	99.9	285 15 US-10-425-114-77265	Sequence 37265, App
398	1504	99.9	293 15 US-10-287-971-96	Sequence 96, App
399	1410	99.7	254 10 US-09-852-472-3	Sequence 3, App
400	1393	92.6	251 9 US-09-790-364-12	Sequence 12, App
401	1393	92.6	251 14 US-10-269-353-12	Sequence 12, App
402	1393	92.6	251 17 US-10-900-926-12	Sequence 90, App
403	1389	92.3	256 15 US-10-287-971-90	Sequence 94, App
404	1389	92.3	256 15 US-10-287-971-94	Sequence 2, App
439	1341.5	89.1	295 14 US-10-167-749-2	Sequence 374, App
443	1341.5	89.1	295 14 US-10-223-085-174	Sequence 374, App
445	1341.5	89.1	295 14 US-10-223-084-174	Sequence 374, App
446	1341.5	89.1	295 14 US-10-223-088-174	Sequence 374, App
447	1341.5	89.1	295 14 US-10-223-090-174	Sequence 2, App
448	1341.5	89.1	295 14 US-10-223-087-174	Sequence 2, App
449	1341.5	89.1	295 14 US-10-223-083-174	Sequence 2, App
450	1341.5	89.1	295 14 US-10-223-089-174	Sequence 2, App
463	1341.5	89.1	295 14 US-10-223-082-174	Sequence 2, App
468	1341.5	89.1	295 14 US-10-223-082-174	Sequence 2, App
484	1341.5	89.1	295 14 US-10-170-481A-2	Sequence 2, App
486	1341.5	89.1	295 15 US-10-210-210-2	Sequence 2, App
491	1341.5	89.1	295 15 US-10-162-521A-2	Sequence 2, App
497	1341.5	89.1	295 15 US-10-305-654-374	Sequence 374, App
502	1341.5	89.1	295 15 US-10-081-056-374	Sequence 374, App
505	1341.5	89.1	295 17 US-10-098-871-18	Sequence 18, App
506	1341.5	89.1	295 17 US-09-790-264-15	Sequence 15, App
507	1341.5	89.1	295 17 US-0-897-359-2	Sequence 15, App
508	1341.5	89.1	295 17 US-10-893-802-2	Sequence 15, App
510	1251.5	83.1	234 14 US-10-098-871-18	Sequence 15, App
511	1180	78.4	275 9 US-09-790-264-15	Sequence 15, App
512	1180	78.4	275 14 US-0-269-353-15	Sequence 15, App
513	1180	78.4	275 17 US-0-900-926-15	Sequence 15, App
514	1180	78.4	278 10 US-0-852-472-19	Sequence 19, App
515	1138.5	75.6	255 10 US-0-866-0508-692	Sequence 692, App
516	1073	71.3	255 10 US-0-9-866-0508-692	Sequence 218, App
517	944.5	62.8	287 9 US-0-9-764-898-218	Sequence 218, App
518	944.5	62.8	288 9 US-0-9-764-893-111	Sequence 111, App
520	944.5	62.8	288 9 US-0-9-764-893-107	Sequence 107, App
521	944.5	62.8	288 9 US-0-9-764-853-841	Sequence 841, App
522	944.5	62.8	288 9 US-0-9-764-898-290	Sequence 290, App
523	944.5	62.8	288 10 US-0-9-764-881-107	Sequence 107, App
524	944.5	62.8	288 14 US-10-073-865-111	Sequence 111, App
525	944.5	62.8	288 15 US-10-222-747-107	Sequence 107, App
526	944.5	62.8	314 9 US-0-9-764-853-670	Sequence 670, App
527	930	61.8	169 10 US-0-9-852-472-1	Sequence 15, App
528	923	61.3	158 10 US-0-9-852-472-13	Sequence 13, App

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## OM protein - protein search, using SW model

Run on: August 12, 2005, 22:17:40 ; Search time 43 Seconds

(without alignment)  
 47.935 Million cell updates/sec

Perfect score: 1505

Sequence: 1 MRGSQEVLLMILLVLAGGT.....SEQISFILEQLGSCKRDKS 273

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 1500 summaries

Database :

Issued Patents AA:  
 1: /cgm2\_6/pctodata/1/iaa/5A\_COMB.pep:  
 2: /cgm2\_6/pctodata/1/iaa/5B\_COMB.pep:  
 3: /cgm2\_6/pctodata/1/iaa/6A\_COMB.pep:  
 4: /cgm2\_6/pctodata/1/iaa/6B\_COMB.pep:  
 5: /cgm2\_6/pctodata/1/iaa/PCTUS\_COMB.pep:  
 6: /cgm2\_6/pctodata/1/iaa/backfile1.pep:\*

Score greater than or equal to the score of the result being printed,  
 and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Query Score	Match Length	DB ID	Description
1	11.80	78.4	278	3 US-09-724-884-52
2	254.5	16.9	553	3 US-09-249-637A-6
3	254.5	16.9	553	3 US-09-363-316B-6
4	254.5	16.9	553	4 US-10-136-227A-6
5	254.5	16.9	553	4 US-09-981-649A-6
6	252.5	16.8	284	4 US-09-312-283C-389
7	251.5	16.7	553	3 US-09-749-637A-19
8	251.5	16.7	553	3 US-09-363-316B-24
9	251.5	16.7	553	4 US-10-136-227A-24
10	251.5	16.7	553	4 US-09-981-649A-24
11	251.5	16.7	554	4 US-10-136-227A-32
12	251.5	16.7	554	4 US-09-981-649A-32
13	249.5	16.7	594	4 US-09-949-016-875
14	249.5	16.6	554	4 US-10-136-227A-30
15	249.5	16.6	554	4 US-09-181-649A-30
16	249.5	16.6	559	4 US-10-136-227A-28
17	249.5	16.6	559	4 US-09-981-649A-28
27	216.5	14.4	502	3 US-09-163-316B-18
28	216.5	14.4	502	4 US-10-136-227A-18
29	216.5	14.4	502	4 US-09-981-649A-18
30	216.5	14.4	537	3 US-09-149-597A-4
31	216.5	14.4	537	3 US-09-363-316B-4
32	216.5	14.4	537	4 US-10-136-227A-4
33	216.5	14.4	537	4 US-09-981-649A-4
34	215.5	14.3	100	3 US-09-249-697A-3
35	215.5	14.3	100	3 US-09-363-316B-3
36	215.5	14.3	100	4 US-10-136-227A-3
37	215.5	14.3	100	4 US-09-981-649A-3

38	196	13.0	1964	3 US-09-467-997-1
39	189	12.6	678	1 US-08-482-111-2
40	189	12.6	678	1 US-08-435-414-2
41	189	12.6	678	1 US-08-435-416-2
42	189	12.6	678	2 US-08-438-863-2
43	189	12.6	678	2 US-08-438-863-2
44	189	12.6	678	3 US-08-438-863-2
45	189	12.6	678	3 US-08-638-74-2
46	189	12.6	678	3 US-08-102-233-2
47	189	12.6	678	3 US-08-443-866B-2
48	184	12.2	673	1 US-08-282-111-3
49	184	12.2	673	1 US-08-435-414-1
50	184	12.2	673	1 US-08-435-416-1
51	184	12.2	673	2 US-08-438-863-1
52	184	12.2	673	2 US-08-438-863-1
53	184	12.2	673	3 US-08-438-862-1
54	184	12.2	673	3 US-08-628-747-1
55	184	12.2	673	3 US-08-402-233-1
56	184	12.2	673	3 US-08-443-866B-1
57	182.5	12.1	816	2 US-08-920-170A-37
58	182.5	12.1	816	3 US-09-055-699-37
59	182.5	12.1	816	3 US-09-273-565-37
60	182.5	12.1	816	3 US-09-565-538-37
61	182.5	12.1	816	3 US-09-661-468-37
62	182.5	12.1	816	4 US-09-976-165-37
63	182	12.1	810	2 US-08-820-170A-34
64	182	12.1	810	3 US-09-055-699-34
65	182	12.1	810	3 US-09-273-565-34
66	182	12.1	810	3 US-09-565-538-34
67	182	12.1	810	3 US-09-661-468-34
68	182	12.1	810	4 US-09-976-165-34
69	176.5	11.7	1935	4 US-09-949-016-1943
70	176.5	11.7	2871	4 US-09-538-092-1076
71	175.5	11.7	2321	4 US-09-230-652-2
72	175	11.6	652	2 US-08-751-005-2
73	175	11.6	2703	1 US-08-185-332-19
74	175	11.6	2703	4 US-08-899-232-4
75	175	11.6	2703	4 US-09-121-057-4
76	173.5	11.5	1246	4 US-09-919-597-85
77	173.5	11.5	1247	4 US-09-961-403-14
78	172.5	11.5	1833	4 US-09-592-685-2
79	172.5	11.5	1833	5 PCT-US95-02251-18
80	172.5	11.5	1833	5 PCT-US95-02251-18
81	170	11.3	830	3 US-08-264-534-11
82	169	11.2	833	1 US-08-872-487-11
83	169	11.2	833	1 US-09-961-403-14
84	169	11.2	833	1 US-08-1479-722B-2
85	169	11.2	833	2 US-08-1479-722B-2
86	169	11.2	833	2 US-08-346-126-6
87	169	11.2	833	2 US-08-346-128-6
88	169	11.2	833	3 US-08-532-348-2
89	168	11.2	833	3 US-08-893-828-6
90	168	11.2	1055	3 US-09-214-278-2
91	168	11.2	1055	4 US-09-465-590A-2
92	168	11.2	1193	3 US-09-214-278-2
93	168	11.2	1193	3 US-09-611-729A-10
94	166	11.0	832	3 US-09-981-392-6
95	166	11.0	832	4 US-09-908-322-6
96	165	11.0	1065	4 US-09-400-159-8
97	165	11.0	1065	4 US-09-214-278-3
98	165	11.0	1193	3 US-09-855-722-3
99	165	11.0	1238	3 US-09-214-278-5
100	165	11.0	1238	4 US-09-855-722-5
101	165	11.0	1238	4 US-09-611-729A-8
102	165	11.0	1238	4 US-09-195-524-8
103	164	10.9	1148	3 US-09-882-046-4
104	164	10.9	1148	4 US-09-556-07-4
105	164	10.9	1248	4 US-09-882-046-6
106	164	10.9	1248	4 US-09-566-047-6
107	164	10.9	2523	1 US-08-185-432-18
108	164	10.9	2523	4 US-09-899-232-3
109	164	10.9	2523	4 US-09-121-457-3
110	163.5	10.9	2556	1 US-08-185-432-17